

**Title: CAPACITOR-RELATED SYSTEMS FOR ADDRESSING
PACKAGE/MOTHERBOARD RESONANCE**

ABSTRACT OF THE DISCLOSURE

According to some embodiments, a device includes a first conductive plane
5 electrically coupled to a first terminal associated with a first polarity and a second
terminal associated with the first polarity, a second conductive plane electrically coupled
to a third terminal associated with a second polarity, and a dielectric disposed between
the first conductive plane and the second conductive plane. A first capacitance is present
between the first terminal and the third terminal, a second capacitance is present between
10 the second terminal and the third terminal, and the first capacitance and the second
capacitance may be substantially dissimilar.